

### Abstract

#### Fuel Cell Reactant Flow Fields That Maximize Planform Utilization

5      Fuel cell reactant gas flow field plates (53, 84, 104) have  
flow channels (71, 98, 105, 106), with transverse portions (73, 100,  
109) some of which have more than one groove (78, 79; 101, 103;  
111, 112; 117, 118), thereby to adjust the planform shape of the  
reactant gas flow field.